

Process for preparing polyvinyl-chloride of low-polymerization degree

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Inventor: XI XU (CN); SHAOYUN GUO (CN)

Applicant: SICHUAN UNITED UNIV (CN)

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Abstract of CN1130638

A process for preparing low-polymerization-degree PVC features that PVC particles and high-pressure airflow are passed into spray tube from its one end, air/solid ration is regulated to make PVC particles impact to target on another end, and said steps are repeated 4-26 times to break the chain of PVC and generate high-molecular free radicals. Obtained PVC may be used as assistant to process PVC and self-plasticizer. The pressure and length of airflow are 8-10 Kg/sq.cm and 5-6.5 respectively, and the air/solid ratio is 100/20-50 (weight).



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[71]申请人 四川联合大学

地址 610065四川省成都市磨子桥

[72]发明人 徐 信 郭少云

[74]专利代理机构 成都科技大学专利事务所

代理人 邓继轩

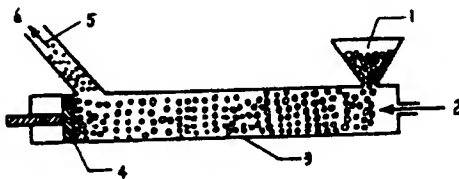
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[54]发明名称 低聚合度聚氯乙烯的制备方法

[57]摘要

一种低聚合度聚氯乙烯的制备方法，其特征是高速气流作用使聚氯乙烯力化学降解，制备低聚合度聚氯乙烯，气体压力为 8~10 公斤/厘米²，气流长度为 5~6.5，气/固比为 100/20~50（重量比）。将聚氯乙烯颗粒从料斗进入喷管，高压气流从喷管的一端进入，调节气/固比通过喷管另一端的靶面撞击，一般循环 4~26 次，经多次撞击后的聚氯乙烯使其断链产生大分子自由基并被终止形成低聚合度聚氯乙烯产品，它可作为聚氯乙烯加工助剂和自增塑剂。



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